

Revised

PROJECT PROPOSAL

1. Title of the project : *Panthera tigris* genome: Implications in wildlife forensics
2. Name and designation of Principal Investigators : Dr. S. P. Goyal,
Nodal Officer, Wildlife Forensic Cell
Wildlife Institute of India,
Dehradun
3. Name of the Institution in which the project will be carried out : Wildlife Institute of India, Dehradun
4. Name of the other Institution(s) involved : Dr. Rajesh Gopal**,
Director, Project Tiger,
Ministry of Environment & Forests,
Annexe No.5, Bikaner House,
Shahjahan Road, New Delhi 110 003

Dr. Sher Ali**
National Institute of Immunology,
New Delhi

International collaboration will be explored with the institutions having expertise in Molecular Scatology and Ancient DNA technology

Other institutions/Departments, if required
5. Time required for the commencement of the project on receipt of final approval : Within 3 months
6. Duration of the project : Four years
7. Total amount of the financial layout :

1 st Year	1331500
2 nd Year	1130500
3 rd Year	842500
4 th Year	279000


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8. Document enclosed

Total 3583500

Statement I. An abstract describing background, objectives, methodology, and figure of year wise budget

Statement II. Detailed Project proposal including introduction, literature review, objectives, methodology, justification and references

Statement III. Project budget

9. Signature of the Investigator:

Date:

Place: Dehradun

(Signature of chairman, IRAC)

(Signature of Head of Institution)

** Requires final confirmation

S.No.	Requirements needed	Action Taken/Status
1.	Review process (External)	Review process has been completed based on comments received by referees from India (1) and abroad (6)
2.	Permission for sample collection from Govt.	Project ideas were conceived some where during 2002 and a letter was written to all CWLW for sample collection. Subsequently permission has also been obtained from IGF & Director, Project Tiger, Govt. of India (Annexure -II)


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Research project " Panthera tigris genome: Implication in
wildlife forensics".

Statement III

Project Budget

S.No.	Project Head	Year				Total
		Ist Year	IInd Year	IIIrd Year	Vith Year	
1.0	<u>Fellowship and Wages</u>					
1.1	Fellowship	-	-	-	-	-
1.2	Fellowship of JRF	96000	96000	108000	108000	408000
1.3	Stipend of TA @Rs.6400/pm	76800	76800	76800	-	230400
1.4	Lab Attendant @ 4000.00/pm	48000	48000	48000	48000	192000
1.5	Wages of Driver	-	-	-	-	-
1.6	Wages of FA /Labor/Caretaker	-	-	-	-	-
1.7	Hill allowance for Researcher	-	-	-	-	-
1.8	Medical Exp. Of JRF/TA/LA	5000	5000	5000	5000	20000
1.9	Other allowances / honorarium	-	-	-	-	-
2.0	Hiring of CDLs for scat collection @Rs.6300/TR for two person	56700	56700	56700	-	170100
2.0	<u>POL And Maintenance of Vehicle</u>					
2.1	POL	-	-	-	-	-
2.2	Repair and maintenance of vehicle	-	-	-	-	-
2.3	Special repair of vehicle i.e. Change of Tyre /Tube etc.	-	-	-	-	-
2.4	Hiring of vehicle / Boat / Horse etc. Rs.1000/day x 10days/TR	180000 (nine TR)	180000 (nine TR)	180000 (nine TR)	-	540000
2.5	Conveyance charges	-	-	-	-	-
2.6	Cartage/ carrier charges	-	-	-	-	-
2.7	Insurance of vehicle	-	-	-	-	-
2.8	Misc. expenditure for vehicle	-	-	-	-	-
3.0	<u>Traveling Expenditure</u>					
3.1	Travel cost of P.I. (collaborators)	30000	30000	30000	10000	100000
3.2	Travel cost of JRF/TA/LA	45000	45000	45000	10000	145000
3.3	Travel cost of Researcher/ Research person/others	-	-	-	-	-
4.0	<u>Base Camp Expenditure</u>	-	-	-	-	-
4.1	Establishment of Base Camp	-	-	-	-	-
4.2	Rent of Base Camp	-	-	-	-	-
4.3	Minor civil/ electric work at camp	-	-	-	-	-
4.4	Sleeping bags for Researcher	10000	-	-	-	10000
4.5	Kitchen accessories	-	-	-	-	-
4.6	Camp running charges	-	-	-	-	-
4.7	Camp shifting charges	-	-	-	-	-
4.8	Rucksacks and haversacks	6000	-	-	-	6000
4.9	Misc. other exp. for Base	-	-	-	-	-
5.0	<u>5.0 Contingencies</u>	-	-	-	-	-
5.1	Photography / Photo films processing	1000	1000	1000	1000	4000
5.2	Stationary and Postage	1000	1000	1000	1000	4000
5.3	Communications, Telephones, E- mail connections, Fax etc.	1000	1000	1000	1000	4000
5.4	Laboratory analysis like DNA ² sequencing and genotyping	-	-	-	-	-
5.5	X- Ray based techniques/ expenditure	-	-	-	-	-

5.6	Sample analysis charges	-	-	-	-	-
5.7	Report writing				30000	30000
5.8	Measuring Tapes, ropes, plastic bags and bottles, compass, buckets	-	-	-	-	-
5.9	G.I.S Data analysis cost including cartographic work	-	-	-	-	-
5.10	Dress allowance to Researcher	5000	5000	5000	5000	20000
5.11	Chemicals, glassware, plasticware	250000	250000	250000	25000	775000
5.11	Books, reprinting and other study material	25000	25000	25000	25000	100000
5.12	Computer software	50000	50000	-	-	100000
5.13	Baseline maps and Toposheets	-	-	-	-	-
5.14	Remote Sensing Data	-	-	-	-	-
5.15	Paint	-	-	-	-	-
5.16	Other contingencies expenditure	10000	10000	10000	10000	40000
6.0	<u>Camp Equipment</u>	-	-	-	-	-
6.1	Binoculars	10000	-	-	-	10000
6.2	Radio telemetry equipment /Radio collars	-	-	-	-	-
6.3	Camera equipment	-	-	-	-	-
6.4	Cages	-	-	-	-	-
6.5	Microscope	-	-	-	-	-
6.6	Spotting scope	-	-	-	-	-
6.7	Trapping Gears/ field and camping gears/ color bands etc.	-	-	-	-	-
6.8	Water analysis kit	-	-	-	-	-
6.9	Receiver /with or without data logger	-	-	-	-	-
6.10	G. P. S. (Three) and other equipment	25000	-	-	-	25000
6.11	Magnetic Compass	-	-	-	-	-
6.12	Range finders	-	-	-	-	-
6.13	Satellite Imagery	-	-	-	-	-
6.14	Spotlight, Spares	-	-	-	-	-
6.15	Measuring tools	-	-	-	-	-
6.16	Air shower	-	-	-	-	-
6.17	Air filtration	-	-	-	-	-
6.18	Rotator/ Shaker	-	-	-	-	-
6.19	Misc .Furniture and fixture	-	-	-	-	-
6.20	Portable Generator sets	-	-	-	-	-
6.21	Hygrometer	-	-	-	-	-
6.22	Refrigerator	-	-	-	-	-
6.23	Tree marking equipment	-	-	-	-	-
6.24	Hip chain	-	-	-	-	-
6.25	Densitometer	-	-	-	-	-
6.26	Flash lights	-	-	-	-	-
6.27	Weather instruments	-	-	-	-	-
6.28	Misc. other Equipment required for the project (Purchase of DNA related equipment)	250000	250000	-	-	500000

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7.0	Office Equipment	-	-	-	-	-
7.1	Computer + printer	-	-	-	-	-
7.2	Desk Top Computer, scanner and laser printer or note book	-	-	-	-	-
7.3	Lap Top, scanner and laser printer	-	-	-	-	-
7.4	Misc. office Equipment	150000	-	-	-	-
8.0	Vehicles	-	-	-	-	150000
8.1	Four wheeler	-	-	-	-	-
8.2	Two wheeler	-	-	-	-	-
8.3	Motor bike	-	-	-	-	-
8.4	Bicycles	-	-	-	-	-
8.5	Other vehicles	-	-	-	-	-
Total		1331500	1130500	842500	279000	3583500

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